

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International publication date
13 November 2003 (13.11.2003)

PCT

(10) International publication number
WO 03/093751 A2

- (51) International patent classification⁷: F28F (74) Joint Representative: BEHR GMBH & CO.; Intellectual Property, Mauserstr. 3, 70469 Stuttgart (DE).
- (21) International application number: PCT/EP03/04163
- (22) International filing date: 22 April 2003 (22.04.2003) (81) Designated states (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (25) Language of filing: German
- (26) Language of publication: German
- (30) Data relating to the priority:
102 19 867.5 3 May 2002 (03.05.2002) DE
- (71) Applicant (*for all designated States except US*): BEHR GMBH & CO. [DE/DE]; Mauserstrasse 3, 70469 Stuttgart (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (*US only*): EMRICH, Karsten [DE/DE]; Schützenstr. 37, 70190 Stuttgart (DE). HENDRIX, Daniel [DE/DE]; Remstalstrasse 31, 70374 Stuttgart (DE). REEB, Wolfgang [DE/DE]; Haldenstrasse 111/1, 72631 Aichtal (DE). SCHAIRER, Andre [DE/DE]; Sonnenbergstrasse 54, 70184 Stuttgart (DE).
- (84) Designated states (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
- without international search report and to be republished upon receipt of that report

For an explanation of the two-letter codes and the other abbreviations, reference is made to the explanations ("Guidance Notes on Codes and Abbreviations") at the beginning of each regular edition of the PCT Gazette.

As printed

WO 03/093751 A2

(54) Title: HEAT EXCHANGER, IN PARTICULAR CHARGE-AIR COOLER

(54) Bezeichnung: WÄRMETAUSCHER, INSBESONDERE LADELÜFTKÜHLER

(57) Abstract: The invention relates to a heat exchanger, in particular a charge-air cooler for a motor vehicle.

(57) Zusammenfassung: Die vorliegende Erfindung betrifft einen Wärmetauscher, insbesondere einen Ladeluftkühler für ein Kraftfahrzeug.